1. Record Nr. UNINA9910633937003321

Autore	Wybraniec-Skardowska Urszula
Titolo	Logic - language - ontology : selected works / / Urszula Wybraniec-Skardowska
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2022] ©2022
ISBN	9783031223303 9783031223297
Descrizione fisica	1 online resource (305 pages)
Collana	Studies in universal logic
Disciplina	401
Soggetti	Language and languages - Philosophy Logic, Symbolic and mathematical
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Intro -- Preface -- Acknowledgements -- Contents -- Part I Introduction -- Chapter 1 The Dual Ontological Nature of Language Signs and the Problem of Their Mutual Relations -- 1 Preliminaries -- 2 The Functional Approach Towards Language as a System of Signs. Two Ways of Using Signs -- 3 Ch. S. Pierce's Distinction: Type-token of a Sign -- 4 Controversies Over the Ontological Status of Language Signs and Relations Between Them -- 5 Solving the Problems Under Analysis -- 5.1 The Instantiation View vs the Representation View -- 6 Theoretical Approach to the Problem of Mutual Relations Between Tokens and Types of Signs -- 6.1 Syntax -- 6.2 Semantics -- 6.3 Signs in Language Communication -- 7 Conclusions -- References -- Chapter 2 On the Structure and Contents of the Monograph -- Part II Selected Works -- Chapter 1 On the Type-Token Relationships -- References -- Chapter 2 On the Axiomatic Systems of Syntactically-Categorial Languages -- 1 Introduction -- 2 The Theories TLTk and TETk -- 3 Systems TSCL and TSC-L -- 4 Systems DTSCL and DTSC-L -- References -- Chapter 3 The Logical Foundations of Language Syntax Ontology -- Introduction -- 1 Intuitive Understanding of Categorial Language -- 1.1 Initial Syntactic Characteristic of Language -- 1.2 Preliminaries to the Theory of Categorial Languages -- 2 The Formal Theory Tlk - a Concretistic Approach -- 2.1 The Level of

Concretes -- Theory T1k -- 2.2 The Level of Types -- Theory T2k -- 3 The Formal Theory Tlp - the Platonizing Approach -- 3.1 The Level of Types -- Theory T2p -- 3.2 The Level of Concretes -- Theory T1p -- 4 Metalogical and Philosophical Consequences -- References -- Chapter 4 On the Eliminatibility of Ideal Linguistic Entities -- 1 Non-uniform Semiotic Characterization of Language -- 2 Preliminary Conventions Concerning Language -- 3 Dual Theories Concepts and Expressions. 4 Theory T1 -- 4.1 Formalization of T1 at the Token Level -- Theory T1(tk) -- 4.1.1 Axioms and Definitions of T1(tk) -- 4.1.2 Major Theorems of the Theory T1(tk) -- 4.2 Formalization of T1 at the Type Level -- Theory T1(tp) -- 5 Theory T2 -- 5.1 Formalization of T2 at the Type Level -- Theory T2(tp) -- 5.2 Formalization of T2 at the Token Level -- Theory T2(tk) -- 6 The Equivalence of the Theories T1 and T2 -- 7 Final Conclusions and Remarks -- References -- Chapter 5 Meaning and Interpretation. Part I -- Introduction -- 1 Preliminaries -- 1.1 The Problem of the Meaning of 'Meaning' -- 1.2 What is a General Theory of Meaning and Interpretation? -- 1.3 The Aim and Assumptions of the Work -- 2 Syntax for Language -- the Theory T -- 2.1 Two Kinds of Syntax: a token-syntax and a type-syntax -- 2.2 Some Basis of the Theory T -- 3 The General Theory of Meaning: the Theory TM -- 3.1 Meaning -- 3.2 Denotation -- 3.3 Meaning and Denotation -- References -- Chapter 6 Meaning and Interpretation. Part II -- 4 The Theory of Meaning and Interpretation: the Theory -- 4.1 Interpretation and Language Communication -- 4.2 Meaning and Interpretation -- 5 Final Remarks -- References -- Chapter 7 Three Principles of Compositionality -- 1 Introduction -- 2 The Theory TC - a Non-formal Characterisation -- 2.1 Ideas -- 2.2 Main Assumptions of the Theory of Syntax -- 2.3 Main Assumptions of the Theory of Semantics and Some Metatheoretical Issues -- 3 The Theory TC- a Formal Approach -- 3.1 Some Formal Foundations of the Theory of Syntax -- 3.2 Formal Foundations of the Theory of Semantics and Some Metatheoretical Issues -- 3.3 Fundamental Theorems of TC -- 4 The Role of the Formal Theory TC in Philosophy -- References -- Chapter 8 On Meta-knowledge and Truth -- Introduction -- 1 Ideas -- 2 Main Assumptions of the Theory of Syntax and Semantics. 2.1 Categorial Syntax and Categorial Semantics -- 2.2 Three Referential Relationships of Wfes -- 2.3 Categorial Indices -- 2.4 Syntactic Operations -- 2.5 Semantic Operations -- 2.6 Knowledge and Cognitive Objects -- 2.7 The Principles of Categorial Agreement -- 2.8 Algebraic Structures of Categorial Language and its Correlates -- 2.9 Compositionality -- 2.10 Concord Between Syntactic Forms and Their Correlates -- 3 Three Notions of Truthfulness -- 3.1 Three Kinds of Models of Language and the Notion of Truth -- 3.2 Three Notions of Truthfulness -- 3.3 Reliability of Cognition of Reality -- 3.4 Operations of Replacement -- 3.5 The Most Important Theorems -- 4 Final Remarks -- References -- Chapter 9 On Language Adequacy -- 1 Introduction -- 2 The Problem Area of Language Adequacy -- 3 An Outline of the Theory of Categorial Language -- 3.1 Categorial Syntax - Theory T -- 3.1.1 General Characteristics of the Categorial Language -- 3.1.2 Two Levels of Formalization of Categorial Syntax -- 3.1.3 The Foundations of the Formal Theory T - the Level of Tokens -- 3.1.4 Foundations of the Formal Theory T - the Level of Types -- 3.2 Categorial Semantics - the Theory ST -- 3.2.1 Intensional Semantics -- 3.2.2 Extensional semantics -- 4 Language Adequacy and its Aspects -- 5 Summary -- References -- Chapter 10 What Is the Sense in Logic and Philosophy of Language? -- 1 Introduction -- 2 Main Ideas of the Formalisation of Categorial Language L -- 3 General Assumption Concerning the Logical Sense of Expressions of Language L -- 3.1

Syntactic and Semantic Unambiguity -- 3.2 Categorial Compatibility -- 3.2.1 Postulate of Categorial Compatibility -- 3.2.2 Type-unifying Logical Senses -- 3.2.3 Semantic Compatibility -- 3.3 Structural Compatibility -- 3.3.1 On the Structure of Expressions and Their Semantic Counterparts -- 3.3.2 Principles of Compositionality.
3.3.3 Main Properties of Functions h(f) -- 3.3.4 Generalisation of Ajdukiewicz's Cancellation Principles -- 3.3.5 Models of L and the Notion of Truth -- 3.3.6 Some Remarks Concerning the Problem of Categories of First-Order Quantifiers -- 4 Final Remarks -- References -- Chapter 11 Categories of First-Order Quantifiers -- 1 Introduction -- 2 Problem of Quantifiers -- 3 Some Intuitive Foundations of the Theory of Categorial Languages -- 3.1 Main Ideas of Formalization of Categorial Language -- 3.2 Categorial Syntax -- 3.2.1 An Algebraic Structure of Categorial Language -- 3.3 Categorial Semantics -- 3.3.1 An aAlgebraic Ontological Structure Corresponding to the Partial Algebra L -- 4 The Solution of the Problem of Quantifiers of 1st-Order -- 4.1 Different Types of the 1st-Order Quantifiers and Their Syntactic Categories -- 4.2 Denotations of 1st-Order Quantifiers and Their Ontological Categories -- 4.2.1 Fregean Semantics -- 4.2.2 Situational Semantics -- 4.3 The Syntactic and Semantic Compatibility of Quantifiers -- 5 Conclusions -- References -- Chapter 12 Logic and the Ontology of Language -- 1 Introduction -- 1.1 Knowledge-Language-Reality -- 1.2 The Logical Conception of Language -- 1.3 The Dual Ontological Status of Linguistic Expressions -- 1.4 Categories of Linguistic Expression and Ontic Categories of Object -- 2 Outline of a Formal-Logical Theory of Language -- 2.1 On the Logical Theory of Linguistic Syntax -- 2.2 The Foundations of the Formal-Logical Theory of the Semantics and Pragmatics of Language -- 3 On the Ontological Neutrality of Logic -- Appendix -- References -- Chapter 13 A Logical Conceptualization of Knowledge on the Notion of Language Communication -- 1 Introduction -- 2 Three Aspects in Formalization of the TLC Theory -- 2.1 The Cognitive-communicative Function of Natural Language According to its Genesis.
2.2 The Functional Approach to Natural Language Analysis -- 2.3 Two Understandings of manner of use and manner of interpreting Language Expressions in Communication -- 3 Language Syntax -- Theory -- 3.1 Two Levels of Formalization of Syntax of Language -- 3.2 Identifiability of linguistic tokens -- 3.2.1 Concatenations -- 3.2.2 Well-formed Expressions -- 4 A Theory of Language Communication - Theory TLC -- 4.1 Token-level -- 4.1.1 Primitive notions of TLC -- 4.1.2 Act of Communication -- 4.1.3 Adequacy of Communication Acts -- 4.1.4 Miscommunication: Misunderstanding -- 4.1.5 Miscommunication: Non-understanding -- 4.2 Type-level -- 4.2.1 Communication by Means of Expression-types -- 4.2.2 Using types and Interpreting types -- 4.2.3 Problem of Adequacy of Language Communication -- 4.2.4 Notions Relating to Language Communication -- 4.2.5 Dual Conceptual Counterparts -- 4.2.6 Adequacy of Language Communication -- 5 Summary -- References.